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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/008,963	10/25/2001	Mihai Ibanescu	13445-014001 / MIT 8757	3770
26161	7590 05/21/2003			•
	CHARDSON PC		EXAMINER	
225 FRANK BOSTON, M		ر -	NGUYEN, DUNG T	
			ART UNIT	PAPER NUMBER
			2828	
			DATE MAILED: 05/21/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

_		P·S
•	Application No.	Applicant(s)
w	10/008,963	IBANESCU ET AL.
Office Action Summary	Examiner	Art Unit
	Dung (Michael) T Nguyen	2828
The MAILING DATE f this communication app	ears on the cov r sheet w	ith the correspondence address
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.	Y IS SET TO EXPIRE <u>3</u> M	ONTH(S) FROM
 Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply if NO period for reply is specified above, the maximum statutory period verailure to reply within the set or extended period for reply will, by statute. Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). 	y within the statutory minimum of thir vill apply and will expire SIX (6) MON , cause the application to become Al	ty (30) days will be considered timely. ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is FINAL. 	— · is action is non-final.	
3) Since this application is in condition for allowa		ttore procedution as to the morits is
closed in accordance with the practice under Disposition of Claims		
4) Claim(s) 1-7,9-11,13,15-17,20,21 and 23 is/ar	e pending in the application	on.
4a) Of the above claim(s) 8,12,14,18,19,22 and	<u>d 24-44</u> is/are withdrawn f	rom consideration.
5) Claim(s) is/are allowed.		
6) Claim(s) <u>1-7, 9-11, 13, 15-17, 20-21, 23</u> is/are	rejected.	Pa 19P
7) Claim(s) is/are objected to.		Paul JP
8) Claim(s) are subject to restriction and/o Application Papers	r election requirement.	PAUL IP SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800
9) The specification is objected to by the Examine	r.	
10) The drawing(s) filed on is/are: a) □ accept	oted or b) objected to by t	he Examiner.
Applicant may not request that any objection to the	e drawing(s) be held in abey	ance. See 37 CFR 1.85(a).
11)☐ The proposed drawing correction filed on	_ is: a)	lisapproved by the Examiner.
If approved, corrected drawings are required in rep	oly to this Office action.	
12) The oath or declaration is objected to by the Ex	aminer.	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C.	§ 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
 Certified copies of the priority documents 	s have been received.	
2. Certified copies of the priority documents	s have been received in A	pplication No
3. Copies of the certified copies of the prior application from the International Bu * See the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).	_
14) Acknowledgment is made of a claim for domesti	•	
a) The translation of the foreign language pro		
15) Acknowledgment is made of a claim for domesti		
Attachment(s)		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _ 	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7, 9-11, 15-17, 20-21, and 23 are rejected under 35 U.S.C. 102(b) as being anticipated by Schimpe (US4743083).

With respect to claims 1-2, 4-5, and 20-21, Schimpe shows in Fig.16A-16B an optical component comprising a dielectric waveguide extending along a longitudinal axis and having a refractive index cross-section perpendicular to the longitudinal axis to support an EM mode (col.5, 1.49-55) wherein the cross-section comprises an inner region including a high index region surrounded by at least one lower index region and an outer region comprising a series of concentric layers.

With respect to claims 3 and 9, Schimpe shows in Fig.16A-16B the higher index region in the inner region is a core.

With respect to claims 6-7, Schimpe discloses a Bragg reflector (col.1, l.26).

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With respect to claims 10-11 and 15, Schimpe shows in Fig.16A-16B the inner dielectric region comprises at least two lower index regions surrounding the core and at least one additional higher index region separating the lower index regions and the refractive index of the core is the same as that of the higher index region separating the lower index regions.

With respect to claims 16-17, Schimpe shows in Fig.16A-16B the core has a circular cross section.

With respect to claim 23, Schimpe discloses the wavelength of 1.55 um (col.22, 1.7-8).

Citation of The Pertinent References

The following US patents are being made of record, even though they were not relied upon in this Office action, for being similar in subject matter, and may be relied upon in any future Office Actions: 2002/0081055, 6400496, 6151429, 5774221, 5677920, and 5237576.

Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (703) 305-7159. The examiner can normally be reached on 8:30 - 17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (703) 308-3098. The fax phone numbers for the Ápplication/Control Number: 10/008,963

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organization where this application or proceeding is assigned are (703) 306-5511 for regular communications and (703) 306-5511 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Nguyen (Michael) Dung May 5, 2003 PAUL IP SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800 Page 4